Title (en)

FLAME RESISTANT FLEXIBLE POLYURETHANE FOAM

Title (de)

FLAMMHEMMENDER FLEXIBLER POLYURETHANSCHAUM

Title (fr)

MOUSSE DE POLYURÉTHANE SOUPLE RÉSISTANTE À LA FLAMME

Publication

EP 3024864 B1 20191030 (EN)

Application

EP 14748418 A 20140722

Priority

- US 201361858329 P 20130725
- US 2014047522 W 20140722

Abstract (en)

[origin: WO2015013226A1] A method of forming a flame resistant flexible polyurethane foam that has a V- 0 rating, according to Underwriters Laboratories Standard 94 Flammability Test, includes forming a reaction mixture that has an isocyanate component and an isocyanate-reactive component, and the isocyanate-reactive component includes a polyol component. The isocyanate component includes at least 30 wt% of a biuret modified aromatic diisocyanate, based on a total weight of the isocyanate component, and an isocyanate index of the reaction mixture is less than 100. The polyol component includes at least 5 wt% of a filled polyether polyol and at least 65 wt% of one or more other polyols that are different from the filled polyether polyol, based on a total weight of the isocyanate-reactive component.

IPC 8 full level

C08G 18/08 (2006.01); **C08G 18/40** (2006.01); **C08G 18/63** (2006.01); **C08G 18/78** (2006.01)

CPC (source: EP US)

C08G 18/0876 (2013.01 - EP US); **C08G 18/4072** (2013.01 - EP US); **C08G 18/409** (2013.01 - EP US); **C08G 18/485** (2013.01 - US); **C08G 18/632** (2013.01 - EP US); **C08G 18/7831** (2013.01 - EP US); C08G 18/78 (2013.01 - US); C08G 18/7806 (2013.01 - US); C08G 18/7812 (2013.01 - US); C08G 2110/0008 (2021.01 - EP US); C08G 2110/0058 (2021.01 - EP US); C08G 2110/0083 (2021.01 - EP US)

Cited by

US11594773B2; US12024607B2; EP3753056B1; EP3855561B1

Designated contracting state (EPC)

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